

AMENDMENT(S) TO THE CLAIMS

1. (Currently Amended) A device for pressing together a first roll and a second roll in a coating unit for a two-dimensional application of a liquid to pasty application medium to a moving fiber material web, the first roll having a first roll body, the second roll having a second roll body, the first roll being arranged axially parallel to the second roll, at least one of the first roll and the second roll being movable relative an other of the first roll and the second roll,
5 comprising:

a force device arrangement for providing a force being transmitted at least partly in a force transmission path running from said force device arrangement to at least one of the first roll and the second roll, said force device arrangement producing a pressing force between the first roll and the second roll;
10 ~~and~~

at least one sensor registering said pressing force between the first roll and the second roll, said at least one sensor being arranged in said force transmission path, said at least one sensor being arranged outside the first roll body and the second roll body; and

a stand connected to the second roll and a bearing lever connected to the first roll, a position of the second roll being fixed relative said stand, the second roll being rotatable, the first roll being rotatable, said bearing lever connected to said stand, said bearing lever being pivotable relative said stand to bring the first roll and the second roll together, said force device arrangement acting on said bearing lever.
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2. (Original) The device of claim 1, wherein said fiber material web is one of a paper web and a board web.

3. (Original) The device of claim 1, further including at least one second force transmission path, said force being transmitted at least partly in said force transmission path being branched to said force transmission path and said at least one second force transmission path, said at least one sensor being arranged in said force transmission path after said force transmission path branches away from said at least one second force transmission path.

4. (Original) The device of claim 3, wherein said force being transmitted at least partly in said force transmission path includes a first force associated with said force transmission path and a second force associated with said at least one second force transmission path, a ratio of said first force to said second force can be varied.

5. (Original) The device of claim 4, further including at least one stop element arranged in said at least one second force transmission path, said at least one stop element being adjusted to change said ratio of said first force to said second force.

6. (Original) The device of claim 1, further including a force transmission direction associated with said force transmission path, at least one said sensor being arranged upstream of the first roll body relative to said force transmission direction.

7. (Original) The device of claim 1, further including a force transmission direction associated with said force transmission path, at least one said sensor being arranged downstream of the second roll body relative to said force transmission direction.

8. (Original) The device of claim 1, further including a force transmission direction associated with said force transmission path, at least one said sensor being arranged upstream of the first roll body relative to said force transmission direction, at least one said sensor being arranged downstream of the second roll body relative to said force transmission direction.

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Claim 9 (Canceled)

10. (Currently Amended) The device of claim 9 1, wherein at least one said sensor is fitted to one of said bearing lever and said stand.

11. (Currently Amended) The device of claim 9 1, further including a bearing region associated with one of the first roll and the second roll, at least one said sensor being arranged in said bearing region.

12. (Original) The device of claim 11, further including a bearing journal associated with said bearing region, said at least one said sensor being arranged in said bearing region being fitted to said bearing journal.

13. (Original) The device of claim 11, further including an antifriction bearing enclosing a bearing journal associated with said bearing region, said antifriction bearing being provided with said at least one said sensor being arranged in said bearing region.

14. (Original) The device of claim 13, wherein said at least one said sensor being

arranged in said bearing region is integrated into said antifriction bearing.

15. (Original) The device of claim 13, wherein said antifriction bearing includes an outer ring, said at least one said sensor being arranged in said bearing region is fitted onto said outer ring.

16. (Original) The device of claim 11, wherein said bearing region includes a bearing housing with an antifriction bearing surrounding a bearing journal, said at least one said sensor being arranged in said bearing region is fitted to said bearing housing.

17. (Currently Amended) The device of claim 9 1, further including a bearing kit for a bearing journal of one of the first roll and the second roll, a sensor module being built between said bearing kit and one of said stand and said bearing lever, at least one said sensor is accommodated in said sensor module.

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18. (Original) The device of claim 1, wherein said at least one sensor includes at least one of a tension sensitive element and a pressure sensitive element.

19. (Currently Amended) The device of claim ~~1~~ 18, wherein said at least one of a tension sensitive element and a pressure sensitive element includes a strain gage.

20. (Original) The device of claim 1, further including an electronic control unit responding to said at least one sensor, said electronic control unit controlling said force device

arrangement, said electronic control unit being set up for a regulated maintenance of a predefined desired value of said pressing force.

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21. (Currently Amended) ~~The device of claim 20, wherein~~ A device for pressing together a first roll and a second roll in a coating unit for a two-dimensional application of a liquid to pasty application medium to a moving fiber material web, the first roll having a first roll body, the second roll having a second roll body, the first roll being arranged axially parallel to the second roll, at least one of the first roll and the second roll being movable relative an other of the first roll and the second roll, comprising:

a force device arrangement for providing a force being transmitted at least partly in a force transmission path running from said force device arrangement to at least one of the first roll and the second roll, said force device arrangement producing a pressing force between the first roll and the second roll, wherein ~~said~~ both the first roll and the second roll ~~include~~ including a first axial end and a second axial end, said force device arrangement operational in both a region of said first axial end and a region of said second axial end, said force device arrangement operational in said region of said first axial end ~~includes~~ including a first independently controllable force device, said force device arrangement operational in said region of said second axial end ~~includes~~ including a second independently controllable force device;

at least one sensor registering said pressing force between the first roll and the second roll, said at least one sensor being arranged in said force transmission path, said at least one sensor being arranged outside the first roll body and the second roll body, said at least one sensor designed for a mutually independent registration of said pressing force in both said region of said first axial end and said region of said second axial end; and

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an electronic control unit responding to said at least one sensor, said electronic control unit controlling said force device arrangement, said electronic control unit being set up for a regulated maintenance of a predefined desired value of said pressing force.

22. (Original) The device of claim 21, wherein at least one of said first independently controllable force device and said second independently controllable force device is a hydraulic device.

23. (Original) The device of claim 21, wherein said electronic control unit controls said first independently controllable force device and said second independently controllable force device such that a substantially constant line pressure results between the first roll and the second roll over an axial extent of the first roll and the second roll.

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24. (Original) The device of claim 1, wherein the moving material web is led between the first roll and the second roll, at least one of the first roll and the second roll is used to transfer the liquid to pasty application medium to the moving material web.

Claims 25-48 (Canceled)

49. (New) A device for coating a moving fiber material web, comprising:

a coating unit for a two-dimensional application of a liquid to pasty application medium to
5 the moving fiber material web, said coating unit including a first roll and a second roll, said first roll having a first roll body, said second roll having a second roll body, said first roll being

arranged axially parallel to said second roll, at least one of said first roll and said second roll being movable relative to the other of the first roll and the second roll,

a force device arrangement for providing a force being transmitted at least partly in a force transmission path running from said force device arrangement to at least one of said first roll and said second roll, said force device arrangement producing a pressing force between said first roll and said second roll, and

at least one sensor registering said pressing force between said first roll and said second roll, said at least one sensor being arranged in said force transmission path, said at least one sensor being arranged outside said first roll body and said second roll body.